



SUNNILAND CORPORATION

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# MATERIAL SAFETY DATA SHEET

DATE: 5/10/88. MSDS NO.: NEW ☒ REVISED ☐ REPLACES  
MSDS NO.:

## SECTION I — PRODUCT IDENTIFICATION

PRODUCT NAME: Sunniland Liquid Iron PRODUCT NO.: 123744  
CHEMICAL NAME: NITROGEN, PHOSPHORUS & POTASH MINERALS; ALONE OR AS A BLEND  
CHEMICAL FAMILY: N/A CAS NO.: N/E

## SECTION II — PHYSICAL DATA

PHYSICAL FORM: Liquid COLOR: Brown BULK DENSITY: 10 lb./gal.  
ODOR: Fertilizer Salt SOLUBILITY: Generally, slowly soluble in soil.  
SPECIFIC GRAVITY: 1.2 FLASH POINT: N/A pH: 5.0-8

## SECTION III — COMPOSITION

Total Plant Food Value: Non-toxic plant food mineral substance containing 5% Iron  
Sulphate in solution with water.

## SECTION IV — HEALTH DATA

STATEMENT OF HAZARDS: Caution: Harmful if swallowed. Keep out of eyes. May cause skin and eye irritation  
mucous membranes as a fertilizer "salt".

PERMISSIBLE EXPOSURE LIMIT: None established

LD50 ORAL: 1500 mg/kg

LD50 DERMAL: 2000 mg/kg

FIRST AID: IF SWALLOWED, induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with  
finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. IF IN EYES, flush eye  
with plenty of water. IF ON SKIN, remove contaminated clothing and wash affected area with soap and water.  
IF INHALED, remove to fresh air. If discomfort continues, seek medical attention.

EFFECTS OF OVER EXPOSURE: Burning eyes, skin irritation.

PRECAUTIONARY MEASURES: Protect skin and eyes from spills

SPILL OR LEAK PROCEDURE: Contain spill. Absorb with a dry material such as sand  
and sweep up for use or disposal.

FOR HEALTH EMERGENCIES CALL YOUR LOCAL POISON CONTROL CENTER

## SECTION V — FIRE AND EXPLOSION PROTECTION

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Water, Foam or CO<sub>2</sub>

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self contained breathing apparatus.

UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE

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## SECTION VI — SPECIAL PROTECTION INFORMATION

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RESPIRATOR TYPE: None needed with adequate ventilation or out-of-doors.

EYE PROTECTION: Use tight fitting goggles if there is a splash hazard.

GLOVES: None needed.

OTHER PROTECTIVE EQUIPMENT: None needed under normal conditions.

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## SECTION VII — REACTIVITY DATA

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STABILITY: Stable

POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID:

Avoid heating above 100°C(212°F).

HAZARDOUS DECOMPOSITION PRODUCTS: Above 132.7°C (271°F) urea decomposes to biuret, cyanuric acid, ammonia, and carbon dioxide.

Nitrogen oxides may form in fire conditions. Hydrogen cyanide may be formed.

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## SECTION VIII — STORAGE, DISPOSAL, AND SPILL PROCEDURES

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STORAGE: Store product in its original labeled container in a cool, dry, locked place out of reach of children.

STORAGE TEMPERATURES: No requirement.

SHELF LIFE: 5 to 7 years of good physical condition if stored properly.

DISPOSAL: Do not contaminate water, food or feed by storage or disposal. If product cannot be used according to instructions excess product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty container. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities by burning. If burned stay out of smoke.

SPILL PROCEDURES: Contain spills. Absorb with a dry material such as sand.

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## SECTION IX — TRANSPORTATION REQUIREMENTS

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D.O.T. SHIPPING NAME: Fertilizer Plant Food

D.O.T. HAZARD CLASS: Non-hazardous

D.O.T. LABELS REQUIRED: None

FOR TRANSPORTATION EMERGENCIES CALL CHEMTREC 1-800-424-9300

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### CONCERNING THIS MATERIAL SAFETY DATA SHEET

THE INFORMATION CONTAINED HEREIN IS OFFERED ONLY AS A GUIDE TO THE HANDLING OF THE SPECIFIC MATERIAL. SINCE SUCH INFORMATION DOES NOT RELATE TO USE OF THE MATERIAL WITH ANY OTHER MATERIAL OR IN ANY PROCESS, ANY PERSON USING THIS INFORMATION MUST DETERMINE FOR HIMSELF ITS SUITABILITY FOR ANY PARTICULAR APPLICATION. THE BUYER AND USER ASSUMES ALL RISK AND LIABILITY OF USE, STORAGE AND/OR HANDLING OF THIS PRODUCT NOT IN ACCORDANCE WITH THE TERMS OF THE PRODUCT LABEL.

#### Abbreviations Key:

N/A = NOT AVAILABLE or APPLICABLE

N/E = NOT ESTABLISHED

TLV = THRESHOLD LIMIT VALUE